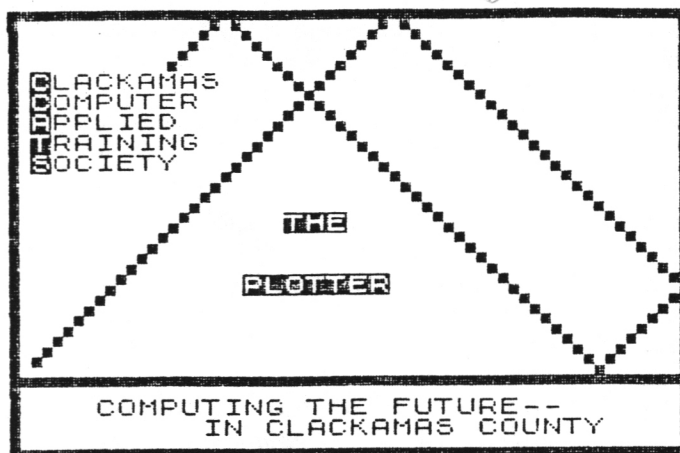


## THE PLOTTER

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JUNE                              1991



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## MEETING

The JUNE meeting will be:

on: FRI., JUNE 14 1991

MEETING open at: 7:00 P.M.  
in: COMMUNITY ROOM  
FAR WEST FEDERAL BANK  
OREGON CITY SHOPPING CENTER

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## CHAIRMAN'S CORNER

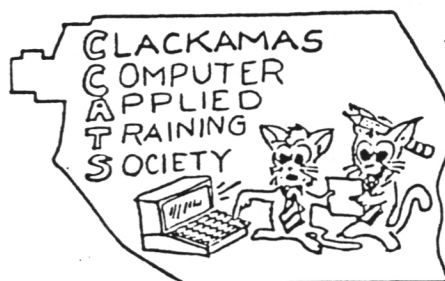
(a.k.a. a turn in the barrel)

Our Swap Meet seemed to be a success in that quite a few of us attended, but there were a lot more sellers than buyers. The most fun for me was discovering that there is still a lot of information floating around concerning the Sinclair line.

Dick Wagner has a real treasure trove of magazines and books he has collected over the years. Most of them are for sale and he has material on the 1000, the 2068 and a lot of generic material including books on machine code and BASIC.

Merlin Raymond brought his 1000 to sell; it's hardly recognizable as a Sinclair machine since he has heavily modified it with all the goodies one could imagine. Since his software was tossed out he is ready to give up on it. Maybe we all could chip in with copies for him so he could resume using it.

Ed Fry brought a whole system and lots of spares. He seemed to have the greatest displays going during the afternoon. Gaylen Bench also brought spares as well as a lot



of electronic parts--if you need anything, call him before running out to buy.

---

More information from the members: "...my best source of information", "I really enjoy getting together with folks who share...", "we need to concentrate on enlarging our group...", "there will be someone there to...help"; "really enjoy the people and even learn...". These are a few of the comments from responding members who feel that they not only need the association with the other members for the learning experience, but also for the friendship and companionship that comes from sharing problems and solutions.

Anyone who is interested in bringing their machine to the next meeting, feel free to do so and show us what you are doing or are learning.

See you at the meeting.

## SOFTWARE MANUFACTURERS SUE

This report is from the Sunday Oregonian (Portland, OR), May 11.

A group of computer software manufacturers is quietly trying to stem the flood of pirate programs already as common as trees in a forest.

The six software manufacturers, Aldus Corp.; Aston-Tate Corp.; Clarus Corp.; Lotus Development Corp.; Microsoft Corp.; and WordPerfect Corp. have filed a suit in U. S. District Court against the University Of Oregon Continuation Center (a State entity). The charge is that the center has illegally copied computer programs on as many as 60 personal computers. Also alleged is that the university has made illegal copies of user manuals and other literature, part of the program packages.

The suit asks the court to issue an injunction barring the university from copying programs and manuals and to order the university to pay

damages. The suit is based on federal copyright laws.

A spokesperson for The Software Publishing Association said that the suit is a part of a continuing battle to protect copyrights on computer programs.

"A computer is a copying machine. That's what makes them unique. There is no real difference between an original program and the copy.

"But it is illegal for people to copy programs without paying for them. It is like a book or a record. You can't just put out your own copies without paying for the right. We know this is a widespread practice and we are trying to put a stop to it."

"We want to stress that a computer program is an intellectual property," the spokesperson said. "The average program takes 18 months to develop and it's not anyone's to take. We think these settlements will help us make our point." (Reference to several recent settlements).

Assistant attorneys general for the State have filed an answer to the suit. The answer contends that the Aston-Tate dBase IV (one of several programs claimed to have been copied) is "not original or copyrighted" and denies unauthorized copying of other programs.

In addition, the university's attorneys said "any unauthorized reproduction constitutes fair use" and that copies were "unknowingly performed by employees of a non-profit educational institution acting within the scope of their employment."

At this time computer operators of several State institutions have been culling programs and destroying any questionable copies. "No one wants to be caught with anything they can't explain" stated a spokesperson. In effect, this is what the Software Publishing Association wants.

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Continued from page 3

(Editor's note: This article brought to mind a problem experienced by the Clatsop County Community College in Astoria and Seaside. Copies of a program had been made for Continuing Education classes. These had to be destroyed and programs purchased for each computer in use.)

Dick F. Wagner

## BITS & BYTES

by: Rod Gowen

In this column I try to bring you the latest and complete information and news available to me regarding the world of TS computing. One way that I can accomplish this is if I have the support of you, the reader, in collecting news that may be of interest to other readers. If you have any news, rumors or other tidbits of information that fits this description, why not send it along? We will be watching!

### ZEBRA GRAPHICS ON DISK-

I sure hate to keep repeating myself folks, but I simply have no choice! RMG is still not able to ship the new Larken/Oliger versions of the Zebra packages and icons. Stay tuned for developments.

### LOGICALL STILL NOT IN-

Same here folks! But! Good News! Bob Swoger called and said that the masters were in the mail and we should have them in a few days. We will have the ones paid for out the door before you read this. (We hope!)

### T/SNUG NEWS-

Having spoken with Bob Swoger, I am even more convinced that, with a bit of support from the rest of us, we can have a viable continental users group to help us all. If a few good folks will volunteer a few hours a year and a few others will support the effort with a few dollars and perhaps an article or review, we can make it work! If you have not yet joined, do so now! At only \$12/year individual and \$15/year for your user group, it is a good value. Bob has informed me that there will NOT be any newsletter exchange/swap. If

your group sends T/SNUG a newsletter, they will glean information for future issues of ZXir Qlive Alive! but will only send newsletters to your group if they pay the \$15 membership fee. If anyone wants more information, feel free to call or write RMG Enterprises. (503)655-7484 Noon-10PM PT Tue-Sat.

### SWAP MEET NEWS-

Too bad! If you missed the annual CCATS swap meet, don't feel too bad. You didn't miss much. A lot of sellers, but no buyers. A few swaps were made among the sellers, but for some reason, we had a real poor turnout for the event and it was probably due to lack of advertising and failure to get the news out to those outside of our own small group. Maybe, if we do one next year, we can get the news of the event out before the fact.

### RMG NEEDS HELP!

RMG has a customer who has a corrupted copy of CARTRIDGE DOCTOR for the QL. What we need help with is getting it repaired. If you can help, please call (503)655-7484 during regular business hours or write us at the address on this newsletter. We will send you an MDV card and have you copy your working copy onto it and will include return postage. It will cost you nothing but a few minutes of your time. How about it? Any one out there willing to lend a fellow QL user a hand?

### POT LUCK DINNER PLANS-

Be sure to attend the June meeting for details on the Pot Luck Dinner being planned for August. We hope to finalize plans then. We will then print a list of things to bring to the meet, where it will be held and all the rest of the pertinent information. If you have any ideas, we will be glad to hear about them.

### CLASSIC WORLD-T/S NEWS COLUMN-

Appearing in Vulcan's Computer Monthly magazine is a great source of information for T/S users. Bill Ferrebee of Mountaineer Software writes this column and does a fine job. After seeing my first issue, I must say, I am subscribing to the magazine. In the May, 1991, issue,

Continued from page 3

he mentions RMG Enterprises a couple of times. It sure can't hurt business! Thanks Bill! Keep up the good work. I will be reading you soon!

That's if for now!  
See you next time. . .

A ROTATE PROGRAM  
B B016LE BBOCBW

Program from Syntax magazine, June 1984. Enter the code program first and save it. Then run the program and save the code at 64256,80, giving it an appropriate name. Now enter the main program, using lines 35,70, and 120 for testing purposes. If all is well then you may delete the machine code routine.

```
5 CLEAR 64255
10 FOR a=64256 TO 64335
15 PRINT AT 0,0;a
20 READ d
30 POKE a,d
40 NEXT a
50 DATA 33,0,252,1,0,252,197,221
51 DATA 33,80,251,6,1,22,8,229
52 DATA 14,0,126,160,40,2,203,193
53 DATA 203,1,121,35,21,32,243,221
54 DATA 119,0,221,35,225,203,0,48
55 DATA 228,35,35,35,35,35,35,35
56 DATA 35,209,229,33,80,251,1,8
57 DATA 0,237,176,225,213,124,254,255
58 DATA 32,197,193,201,33,0,61,17
59 DATA 0,252,1,0,3,237,176,201
```

```
5 CLEAR 64255
10 LET init=64324
20 LET rot=64256
30 LET mir=64281
35 PRINT "ABCDEFGHJKLMNOPQRSTUVWXYZ"
36 PRINT
40 RANDOMIZE USR init
50 POKE 23606,0: POKE 23607,251
55 FOR x=1 TO 4
60 RANDOMIZE USR rot
70 PRINT "abcdefghijklmnopqrstuvwxyx"
75 NEXT x
77 PRINT
80 POKE mir,9
90 RANDOMIZE USR init
95 RANDOMIZE USR rot
100 POKE mir,1
105 FOR x=1 TO 4
110 RANDOMIZE USR rot
120 PRINT "ABCDEFGHJKLMNOPQRSTUVWXYZ"
130 NEXT x
160 RANDOMIZE USR init
```

## From The Editor's Desk

This little article was edited from the Sept.-Oct. 1986 issue of SincWare News. It was written by then Editor, Jeffry Moore, partly in reply to a letter from a Sean Wenzel. Mr Wenzel was commenting about newsletter and magazine content, particularly in that users of the 2068 complain if they do not get enough attention.

"We try very hard to print a balance of articles for ALL the TS computers. Within the limitations of our space, we try to print a software and hardware article each month for both the ZX81/TS1000 and the 2068. However, if the material isn't there, it's just not there. If you will pardon the paraphrase, "Sometimes ye have not because ye write not". If no one writes about a specific machine, then support for that machine will die. Human thought is mostly associative. Meaning an idea you have and publish will trigger another idea in someone else, and so on. Many times a simple question asked in this column has lead to a good in-depth article exploring a facet of one of the computers hertofore unexplored."

That paragraph, particularly about lack of reader support, is still applicable, but now including a wider range of computers that should produce more reader input.

My dictionary defines an editor as one who edits material; a writer of editorials. Edit is defined as put forth; to give out; to publish; to prepare for publication; to revise and make ready (a manuscript) for publication.

As editor I must generate most of the manuscripts in the first place, accept manuscripts as written, put together the articles in an acceptable arrangement for printing, do the printing, assemble each newsletter, address and stamp each, and mail. The mailing list must also

>> >>



Continued from page 4  
be kept current for members,  
subscribers, and exchange user  
groups. I think that someone needs  
to come up with a better name than  
"editor".

Dick F. Wagner, Editor

## MORE ON TASWORD 2

At one time or another, users of TW2 have had occasion to look at or change printer codes. The menu gives this option, the TW2 programmers recognizing the needs of different printers. Perhaps the reader has changed printers, thus requiring one or more changes.

I have altered codes several times, starting with an Olivetti printer. For sure I didn't understand all that I was doing. Why did some codes in the original list include 32? Nothing was said in the meager instruction manual about this. Lucky for me, my changes didn't seem to effect the printer output, if I knew enough to look for them.

Recently I came across a letter by P.F. Green (Rotterdam) in the ZX Computing Monthly for February 1987, in the Cross Wires column in which he addressed the subject of code 32. From his discussion it appears that the code 32 is used to make the lines justify properly on the printed page.

Referring to the 2068 list of characters and codes in that manual, it will be noted that 32 is the code for "space" (we all new that, didn't we?). Where the right justify does not print properly, look at the codes being sent to the printer. If only default codes are being used, then look at these to see if the right justify can be adjusted by adding a space in one of those codes. If the reader has added a printer code to the text, say at one point where Italics is desired, then this could be the culprit.

A good test would be to delete a 32 in a code and use the new one to print a text. This should show the effect of the code 32 when right justifying.

Another TW2 improvement was published in the Mar-Apr 1985 issue of Syncware News, page 5. This was written by Duncan Teague. (It is surprising how much information can be dug out of these old magazine).

Several times in our old THE PLOTTER issues we have published information on how to revise the first "HELP" page of TW2. This information is a little different approach that will make it possible to edit both "HELP" pages. Why change them? Have you changed printer codes for a printer function that was not on the tabulation of codes? Have you changed printers but have left the heading unchanged? Have you made a note of the correct function as a substitute to keep track? Why not correct these changes properly and have a real nice menu?

This process takes the "HELP" pages out of the memory locations and puts them into text files so they can be edited. Then the edited files are returned to their original addresses.

#1--with TW2 loaded, STOP to get to BASIC and then type in the command mode (no line numbers) the following:

```
FOR i=0 TO 1535: POKE (33280+i),PEEK (54784+i): NEXT i
```

#2--GO TO 20 and select "y" to return to the text file. The first of the "HELP" pages is now in the text file and can be read and revised.

#3--After editing, reverse the addresses and poke the screen back to memory.

#4--The second "HELP" page is sent to the text file with the following line:

```
FOR i= TO 1535: POKE (33280+i), PEEK (56320+i): NEXT i  
NOTE: this address is 1536 higher
```

>>>>

Continued from page 5

#5--Repeat as in #2 and #3. Reverse the addresses and poke the screen back to the new memory location.

Now you have "HELP" pages to suit your changes and needs. SO easy!

No doubt that all who have been using TW 2 with the AERCO type of parallel interface have these pokes:

57999	127
58001	103
58008	127
58014	219
58015	127

Note that 127 is the port address.

Special printer symbols with SYMBOL SHIFT in EXTENDED MODE:

Key	Symbol	Instead of
y	[	
u	]	
p	@	copyright
a	~	slanted quotes
s		solid bar
d	\	
f	{	
g	}	

Special printer symbols with SYMBOL SHIFT in the normal mode:

Key	Symbol	Instead of
h	^	up arrow
x	#	pound sign

Note: as this was written on MSCRIPT (my WP preference), 2 symbols were printed via imbedded printer codes. The back slice is used for end of line or paragraph so could not be inserted in the text. The symbol for "d" is on the "s" key. This does not print in the text.

Dick F. Wagner

**\*\*ALERT\*\***

This novel program should be of interest to some of our readers. It will alert you, the computer owner, that someone has been fiddling with your computer.

Just type in the program called ALERT. Once it is typed, save it with LINE 20 for autorun. Assuming the computer is being set up, load in ALERT. Just

let someone follow their instinct to work the keys and they will be surprised. It works nicely with a disk system, just use your SAVE and LOAD DOS terms. This program is based on one by M.A. Short in the 1/87 issue of ZX Computing Monthly.

Dick F. Wagner

```
5 REM ZX Computing Monthly,
10 REM ALARM: SAVE at Line 20
before RUN
15 REM PRESS ENTER OR ANY
CHARACTER KEY TO RUN
30 FOR n=65346 TO 65367: READ
a: POKE n,a: NEXT n
40 PRINT #0; 1982 Sinclair R
esearch Ltd
```

1983 Timex Comp  
uter Corp"

```
50 PAUSE 0: CLS : CIRCLE 127,8
4,15: CIRCLE 92,49,35: CIRCLE 16
1,119,35: CIRCLE 92,119,35: CIRC
LE 161,48,35: PRINT AT 0,5;"NOW
YOU HAVE DONE IT!": PAUSE 80: CL
S : PRINT AT 11,6; FLASH 1;"**":
PRINT AT 11,9; FLASH 1;"SECURIT
Y ALERT": PRINT AT 11,24; FLASH
1;"**"
```

```
60 RANDOMIZE USR 65346
70 DATA 58,72,92,15,15,15,30,0
,243,211,254,238,16,67,16,254,29
,32,246,251,24,234
```

# *the plotter*

## pc page

by: Rod Gowen

June already??? I hope that just because the weather is nice and the open road calls, you do not desert your computers and forget all that we have been trying to learn. As with a lot of things, if you do not use it, you may forget something. As I use my many computers for my business, I have little time to spend away from them. I find myself wishing for more hours in the days in order to try out new hardware and software. By the time I get my work done it seems like I am too tired to do anymore. On the rare occasions when I do get my work finished and have some time, I really enjoy trying out new software titles. No games, just utilities and applications. Most of what I try out is Shareware, some is commercial. I will try to write about some of these titles in this column for you to see what I think of them. If there is a particular title you would like to see reviewed here, or if you have recently tried out a new title yourself and would like to share it with us, please feel free to send it to me on paper. We will be happy to publish it for you and the rest of our readers.

I must apologize this time for not continuing with my coverage of 400S. I am going to talk about some other items instead. As I said before, there is a LOT of good shareware software out there and you deserve to know about as many titles as you can. I am going to talk a tiny bit about a couple of the best of the genre this time. EXPRESS CHECK and ASEASYAS.

EXPRESS CHECK V4.0 is by far, in my opinion, the top of the line in check-book manager programs. The menus are easy to use, the reports are complete and comprehensive. It can usually "sort" out a problem with a bad or corrupted bit of data in its own files. It can track checks, deposits and even ATM transactions. It can do a report for you in any one of 9 different ways. You are given the opportunity to set a list of budget codes to use on the checks to help keep track of how you spend your money. You can get through the dreaded "reconciliation" in mere minutes instead of what sometimes seems like hours! When you begin the checkbook you can decide if you want a "small" or "large" account. There are a couple of differences between the two. In the "small" account you can list up to 3 budget codes and up to 2000 entries per account. With the "large" account you can use up to 5 budget codes and up to 4000 entries. Then, of course, there is the minor detail of not being able to write a check with more than 5 digits in the small account. If you plan to write any bigger checks you need to set up the large account. You have a built-in pop-up calculator, and help on-demand or it can be displayed at all times. You can set up "QuickChecks", a form of "macro" that allows you to fill in an entire check with as few as 2 keystrokes. When the check is finished, you can even have your printer do the "hard" part for you---print the check. The only thing it won't do is sign it for you! All of this and only \$35 to register it! Seems like the best bargain I have made in quite some time. A copy of the shareware version is available from my library.

>>>>

Continued from page 7

ASEASYAS has been called "The GIANT KILLER" and is entitled to that name! It is a great spreadsheet program. The "giant" referred to in the name is LOTUS (TM) in case you did not guess that. ASEASYAS means AS EASY AS 123! It has many of the same features as 1-2-3 (TM) and more! One of the best things about it is that it can be configured to almost any colors that you prefer. 1-2-3 is not color configurable at all! AS EASY will supply you with just about all you will need in a decent spreadsheet and will not cost you \$300-400 to do so. At about \$90 to register your copy, I feel that it, too, is one of the real bargains in software. There is a support program called PIVOT that will allow you to turn your spreadsheets on their side for printing. PIVOT is not included in the same registration fee as part of ASEASYAS. I believe it is about \$15-25 to register. With the VERY thorough documentation and a LOT of on-line, context sensitive help available, you should be able to get a lot out of this fine piece of software. Copies of both programs are in the shareware library at RMG Enterprises and at meetings.

I hope that you will find my "mini-reviews" to be of some help. If not, I can only go back to what I was doing before I did this column, WORK!. I feel that it will help you to know what is available out there at a reasonable cost. If not, let me know. How about dropping us a note wither way? We can always use encouragement. It is a lonely job, sitting here pounding on this keyboard!

Next time I may cover a few of the MANY, MANY menu or hard disk manager programs that are available and in our library for you. There are so many that I had to reserve a drawer JUST for them! Anyway, as more and more of you are adding a hard drive to your system, it might be time to cover just a few of the better ones that we have tried.

See you all next time. Keep practicing! We all need it!

## GW BASIC ROTATE

This program is from the book "GRAPHICS AND SOUND FOR THE TANDY AND PC COMPUTERS", written by WILLIAM BARDEN, JR. It can be found at Radio Shack stores.

GW BASIC must be in residence after MS-DOS is loaded. In many respects, this is much like Sinclair BASIC. Of course, commands must be spelled out. Users of the 2068, and even the TS 1000, will recall the many hours of learning and using BASIC. Well, why not use what you learned and adapt to GW BASIC? There is lots of fun in it and you can type in programs, and develop your own. Try programming with MS-DOS!

This short program draws a cube, puts the word "UP" on the top, and neatly rotates the cube and the word "UP". Type the program in as shown, press the F2 key or type RUN, and be amazed!

The move commands are a bit like "TURTLE" and are called Graphics Macro Language. The commands used here are "nm, r,d, l,u,bm,br,nd, and m". The command "TA" is the turn angle in degrees so each cube rotates 18 degrees and is redrawn.

>> >>



If you have not used GWBASIC or a similar program, You will be surprised to find that there are no disk operating commands (at least as far as I have learned) that will give you a disk drive choice. For instance, if GWBASIC is on disk C, and you want to make a SAVE on a floppy disk to keep from cluttering up good space, then it becomes necessary to save on drive A. Do it like this--to go from GWBASIC to MS-DOS key in "SHELL". Now make a drive switch to A:. Now go back to GWBASIC with the command "EXIT". There you are and now make your SAVE with the F4 key, keying in the name. It may be that GWBASIC adds the .BAS but key it in anyway, not forgetting the last quotes. Do not use "SYSTEM" as the manual suggests unless you want to drop out of GWBASIC for good.

Maybe someone knows of a command that can be used in GWBASIC that gives a drive choice without taking the steps that I use. Incidentally, The command "SHELL" can be combined with a command and file, like "SHELL TYPE A: MANUAL.TXT". This will read the text in the manual in MS-DOS mode, should you want some information from the MANUAL. Now "EXIT" will return you to GWBASIC.

```

100 KEY OFF
110 SCREEN 2
120 CLS
130 A$="nm+30,-20 r100 nm+30,-20 d50 nm+30,-20 1100 nm+30,-20 u50"
135 B$="bm+47,+15 d10 r5 u10 br4 nd10 r5 d5 15 bm-54,-22
140 C$="m+30,-20 r100 d50 1100 u50"
150 DRAW A$+B$+C$
160 FOR TA=0 TO 360 STEP 5
170 CLS
180 DRAW "ta"+STR$(TA)+A$+B$+C$
190 NEXT TA

```

---

## COMPUTER ART

This program will keep you interested for some time. It is an ingenious 2068 program that produces beautiful displays that can be changed to a color display. Change line 60 to produced a different number of lines making up the display. The original program used 200 lines. Change line 136 to produced a delay for CLS. This will help in making a break so hard copies can be made. This program was printed in SyncWare News, Mar-Apr 1985,

Charles Fursdon from Florida reported in a later issue of SyncWare News that adding a line 65 as "65 INK RND\*6", and changing line 200 to "200 BORDER 0: PAPER 0" to make a different display

Dick F. Wagner

>> >>

-NOTICE-

```
1 GO TO 200
50 REM computer art
55 REM by David Kulp, CATS
User Group
57 REM published in 3-4/85
issue of SyncWare News
60 FOR z=1 TO 150
62 PLOT a,b: DRAW x-a,y-b
70 LET a=a+a1: LET b=b+b1
80 LET x=x+x1: LET y=y+y1
100 IF a>=255 OR a<=0 THEN LET
a1=-a1: LET a=a+a1
110 IF x>=255 OR x<=0 THEN LET
x1=-x1: LET x=x+x1
120 IF b>=175 OR b<=0 THEN LET
b1=-b1: LET b=b+b1
130 IF y>=175 OR y<=0 THEN LET
y1=-y1: LET y=y+y1
135 NEXT z
136 PAUSE 100: CLS
140 GO TO 60
200 PAPER 0: INK 7: CLS
210 LET a=INT (RND*255): LET b=
INT (RND*175)
220 LET x=INT (RND*255): LET y=
INT (RND*175)
230 LET a1=2: LET b1=2: LET x1=
4: LET y1=4
240 GO TO 60
```

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